

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

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| (1) DEPARTMENT Public Works | (2) MEETING DATE 3/13/2012 | (3) CONTACT/PHONE Dale Ramey, Transportation Project Manager (805) 781-5252 | |
| (4) SUBJECT Request approval of Contract Change Order No. 31 with Granite Construction, Inc. for the Willow Road Extension Phase II Project, Nipomo, Contract Nos. 300129 and 300142, authorizing the Director of Public Works expenditure up to the amount of \$200,000. | | | |
| (5) RECOMMENDED ACTION It is our recommendation that your Honorable Board: 1. Approve an anticipated Contract Change Order with Granite Construction Inc. for the Willow Road Extension Phase II Project, Nipomo, CA, Contract Nos. 300129 and 300142, authorizing expenditure up to the amount of \$200,000; and 2. Direct the Director of Public Works, or his designee, to execute and process. | | | |
| (6) FUNDING SOURCE(S) Road Fund, Willow Rd WBS 300129, 300142 | (7) CURRENT YEAR FINANCIAL IMPACT Up to \$200,000.00 | (8) ANNUAL FINANCIAL IMPACT N/A | (9) BUDGETED? Yes |
| (10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. _____) <input type="checkbox"/> Board Business (Time Est. _____) | | | |
| (11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input checked="" type="checkbox"/> N/A | | (12) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5th's Vote Required <input checked="" type="checkbox"/> N/A | |
| (13) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) N/A | | (14) W-9 <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| (15) LOCATION MAP Attached | (16) BUSINESS IMPACT STATEMENT? No | (17) AGENDA ITEM HISTORY <input type="checkbox"/> N/A Date 10/5/10; 12/14/10; 12/7/12 | |
| (18) ADMINISTRATIVE OFFICE REVIEW <i>Nikki J. Schmidt</i> | | | |
| (19) SUPERVISOR DISTRICT(S) District 2 - | | | |

Reference: 12MAR13-C-2

County of San Luis Obispo



TO: Board of Supervisors

FROM: Public Works

Dale Ramey, Transportation Project Manager

VIA: Dave Flynn, Deputy Director of Public Works

DATE: 3/13/2012

SUBJECT: Request approval of Contract Change Order No. 31 with Granite Construction, Inc. for the Willow Road Extension Phase II Project, Nipomo, Contract Nos. 300129 and 300142, authorizing the Director of Public Works expenditure up to the amount of \$200,000.

RECOMMENDATION

It is our recommendation that your Honorable Board:

1. Approve an anticipated Contract Change Order with Granite Construction Inc. for the Willow Road Extension Phase II Project, Nipomo, CA, Contract Nos. 300129 and 300142, authorizing expenditure up to the amount of \$200,000; and
2. Direct the Director of Public Works, or his designee, to execute and process.

DISCUSSION

Your Board awarded a contract to Granite Construction, Inc. on December 14, 2010, in the amount of \$16,302,548.36 with a contingency budget of \$1,630,245 for the Phase II Willow Road Extension project. Work has progressed well and construction is currently 65% complete. Our next step in the construction is to excavate beneath Route 101 and build the new roadway for Willow Road at the interchange. As the work is adjacent to Nipomo Creek, there is concern that high ground water levels may impede construction by the contractor. Toward the end, additional efforts under a construction contract change order are necessary.

During the design of Willow Road, County and Caltrans staff became aware of the close proximity of the ground water to the finished grade of Willow Road. Staff discussed this ground water issue with the design engineer, Rajappan & Meyer. Their recommendation to prevent damage to Willow Road was to add an additional foot of base rock that is wrapped in filter fabric. This additional wrapped base rock is to bridge the water bearing sands and protect Willow Road from failure. The project was bid on this plan.

During construction, ground water was encountered, as shown in the geotechnical report, in the area of the interchange. County staff conferred with MNS Engineers, Granite Constriction, and Fugro Geotechnical consultants about the constructability of the design per the plan. The consensus was that equipment working in the area and the soil compaction effort could cause the water to migrate upward into the proposed base rock and cause a structural failure. Fugro staff's recommendation is to replace the proposed base rock in the filter fabric with crushed rock and to install a drain system to manage the ground water elevation. This change was presented to the design engineer who approved the concept.

Attached as, Exhibit "A", is CCO No. 31. The cost of this work is estimated to be \$50,000.00. However, construction in wet sand conditions is very unpredictable and the work limits can increase quickly and substantially. In case this happens, staff is requesting that the Public Works Director be pre-authorized to spend up to \$200,000 to cover the cost of stabilizing the Willow Road structural section using this CCO.

It would be inefficient and costly to put a stop to the work order on the contractor and return to your Board for approval of additional work. The contractor could assign delay costs to their operation to the County while we determine a final plan.

The final result of extra work will be construction of a stable foundation for Willow Road which will insure the 20 year life expectancy of an asphalt road.

OTHER AGENCY INVOLVEMENT/IMPACT

Caltrans was consulted and approved this potential work for stabilizing the road bed.

FINANCIAL CONSIDERATIONS

There is sufficient money in the contingency budget to cover the cost of this potential \$200,000 CCO. The project Budget includes contingency monies to manage change orders of up to \$815,127.42, plus an additional \$815,127.42 for Traffic Control and Supplemental Work for a total amount of \$1,630,245. This change order will be processed under the contingency fund and will have a balance (including this potential \$200,000 change order) of approximately \$55,000 for any remaining change orders in addition to the \$815,127.42 for Traffic Control and Supplemental Work.

To date, there are thirty three (33) change orders that have been approved and are pending. There total amount is \$560,000. Public Works is anticipating another significant CCO for the project at the end of the work for a \$400,000 cost increase to cover the rising cost in asphalt oil for the pavement, as allowed under board approved contract provisions.

The project is funded from the South County Road Improvement Fee Account, Prop 1B Funds, County Road Fees, and State Transportation Improvement Program.

RESULTS

Approval of the recommended action will result in the continued progress of the construction related activities for this construction contract, which will contribute to the efficient delivery and continuity of this construction project.

File: Contract Nos. 300129 & 300142

c: MNS Engineers
Granite Construction Company
Rajappan & Meyer

Reference: 12MAR13-C-2

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ATTACHMENTS

1. Vicinity Map
2. Exhibit A - Change Order No. 31